

Amendment to ABSTRACT

This ABSTRACT will replace all prior versions of the ABSTRACT in the application:

ABSTRACT

A technique for Peak Reduction Equalizer of multi-carrier signals is described. The input to the multi-carrier amplifier is modified by a Peak Reduction Equalizer circuit, prior to being applied to the amplifier. The Peak Reduction Equalizer circuit clips the amplitude of the signal, converts the clipped signal to baseband to produce the baseband representative of each carrier, filters each baseband representative to remove the unwanted signals, up converts each baseband representative to its multi-carrier baseband frequency and finally the up converted signals are combined to produce the multi-carrier baseband signal. The input to the Peak Reduction Equalizer circuit could be a baseband, an intermediate frequency (IF) or radio frequency (RF) signal. The Peak Reduction Equalizer could be performed in digital or analog domain.